



CGCTCAGGATATGACTTCGGCTAGAGGATCGGATCCCGGCGGATTATATAGGTCGATCGATCT  
 TCTCTATATCTCGCGGATATGCTATATACACACACATCGCGGATAGCATGACTGATCTA  
 CCGCACT  
 CACAGACTCTACGCT

PubMed

Nucleotide

Protein

Genome

Structure

PMC

Taxonomy

OMIM

Boo

Search  for

Limits

Preview/Index

History

Clipboard

Details

# ☐ 1: D30807. Arabidopsis thali...[gi:642128]

Links

LOCUS ATHMADSBOX 896 bp mRNA linear PLN 08-MAR-1995  
 DEFINITION Arabidopsis thaliana mRNA (homeotic gene PISTILLATA) for PI protein (MADS box protein homologue), complete cds.  
 ACCESSION D30807  
 VERSION D30807 GI:642128  
 KEYWORDS K box; MADS box; PI protein; homeotic gene.  
 SOURCE Arabidopsis thaliana (thale cress)  
 ORGANISM Arabidopsis thaliana  
 Eukaryotae; mitochondrial eukaryotes; Viridiplantae;  
 Charophyta/Embryophyta group; Embryophyta; Magnoliophyta;  
 Magnoliopsida; Capparales; Brassicaceae; Arabidopsis.  
 REFERENCE 1 (bases 1 to 896)  
 AUTHORS Goto, K. and Meyerowitz, E.M.  
 TITLE Function and regulation of the Arabidopsis floral homeotic gene PISTILLATA  
 JOURNAL Genes Dev. 8 (13), 1548-1560 (1994)  
 MEDLINE 95047314  
 COMMENT On Feb 1, 1995 this sequence version replaced gi:493619.  
 Submitted (23-May-1994) to DDBJ by:  
 Koji Goto  
 Molecular Genetics Research Laboratory  
 University of Tokyo  
 Hongo 7-3-1  
 Tokyo 113  
 Japan  
 Phone: 03-3812-2111 x3034  
 Email: gotok@tansei.cc.u-tokyo.ac.jp  
 Fax: 03-5684-0785.  
 FEATURES Location/Qualifiers  
 source 1..896  
 /organism="Arabidopsis thaliana"  
 /mol\_type="mRNA"  
 /strain="Landsberg erecta"  
 /db\_xref="taxon:3702"  
 mRNA 1..896  
 /evidence=experimental  
 gene 24..650  
 /gene="PISTILLATA"  
 CDS 24..650  
 /gene="PISTILLATA"  
 /note="MADS box: position at nt24-194, K box: position at nt288-473."  
 /codon\_start=1  
 /product="PI protein"  
 /protein\_id="493620"  
 /db\_xref="GI:493620"  
 /translation="MGRGKIEIKRIENANNRVVTF SKRRNGLVKKAKEITVLCDAKVA  
 LIIFASNGKMIDYCCPSMDLGAMLDQYQKLSGKKLWDAKHENLSNEIDRIKKENDSLQ

LELRHLKGEDIQSLNLKNLMAVEHAIEHGLDKVRDHQMEILISKRRNEKMMAEQQRQL  
TFQLQQQEMAIASNARGMMMRDHDGQFGYRVQPIQPNLQEKIMSLVID"

896

polyA site

BASE COUNT 285 a 143 c 218 g 250 t

ORIGIN Chromosome 5.

```
1 gagaaagaga tagagagaga aagatgggta gaggaaagat cgagataaag aggatagaga
61 acgcaaacaa cagagtgggtg acgttctcaa agaggaggaa tggattgggtg aagaaggcta
121 aagagatcac agttctttgt gatgcaaaag ttgccctcat aatctttgca agtaatggta
181 agatgattga ttactgttgt ccttccatgg atcttgggtgc tatgttggac caataccaga
241 agttatctgg caagaaacta tgggatgcta agcatgagaa ccttagcaat gagattgata
301 ggatcaagaa agagaatgat agcttacaac tggagctcag gcatttgaag ggagaagata
361 tacagtctct caacttgaaa aatctgatgg ctgtcgagca cgccattgaa catggcctcg
421 acaaagtccg agaccaccag atggagatcc ttatatcaaa gaggagaaat gagaagatga
481 tggcggagga gcaacggcaa ctcactttcc agctgcaaca acaggagatg gctatagcaa
541 gcaacgcaag aggaatgatg atgagagatc atgatgggca gtttggatat agagtgaac
601 cgattcagcc aaatcttcag gaaaagatta tgtctttggt catcgattga tcatcgagat
661 ttataaatct catcctgac aactcctatc tatactatcg tggctcttag tttgtcttta
721 tcaatctgtg tgtcttaatc tcgagcaaca tatatactcg ctatcagact ttttacttaa
781 gctatatgtg tggtgtttgc ttatgacctc tatgtattgg ttgtgttgtg tgcttaaacg
841 tttcgaacta attgatctgt gtgaaactta ttattctgtg ataagctatt tgtgat
```

//

[Disclaimer](#) | [Write to the Help Desk](#)

[NCBI](#) | [NLM](#) | [NIH](#)

Aug 6 2003 13:17:41